

MONTHLY OPERATIONS REPORT

December 2015

Town of Discovery Bay, CA

2315 Days of Safe Operations

104,833 worked hours since last recordable incident

TRAINING:

Safety, Operations, & Equipment

Safety	Hours
West Monthly Regional Safety Webinar	4.0
Weekly Safety Topics	
Monthly Safety Topics	
Hearing Testing/Conservation	
Operations	

REPORTS SUBMITTED TO REGULATORY AGENCIES

Monthly Discharge Monitoring Report (DMR)
Monthly electronic State Monitoring Report (eSMR)
Monthly Coliform Report, State Water Board (WD)

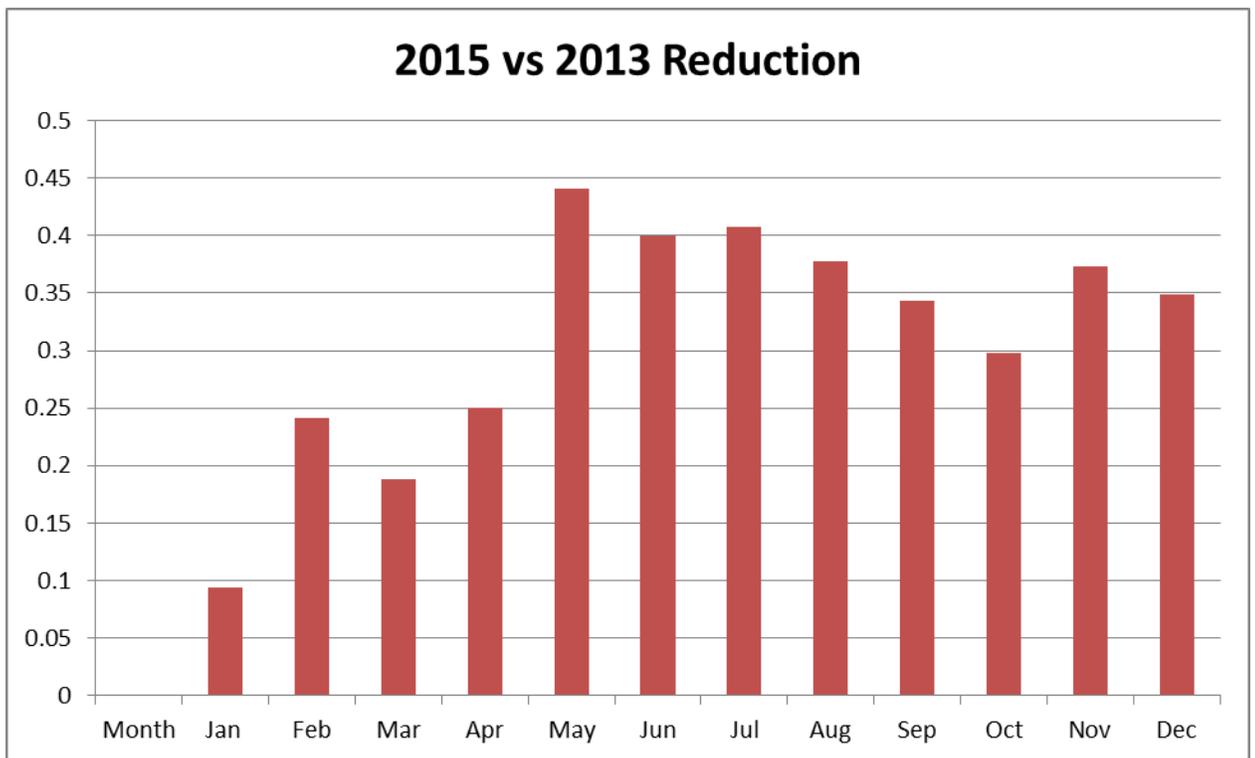
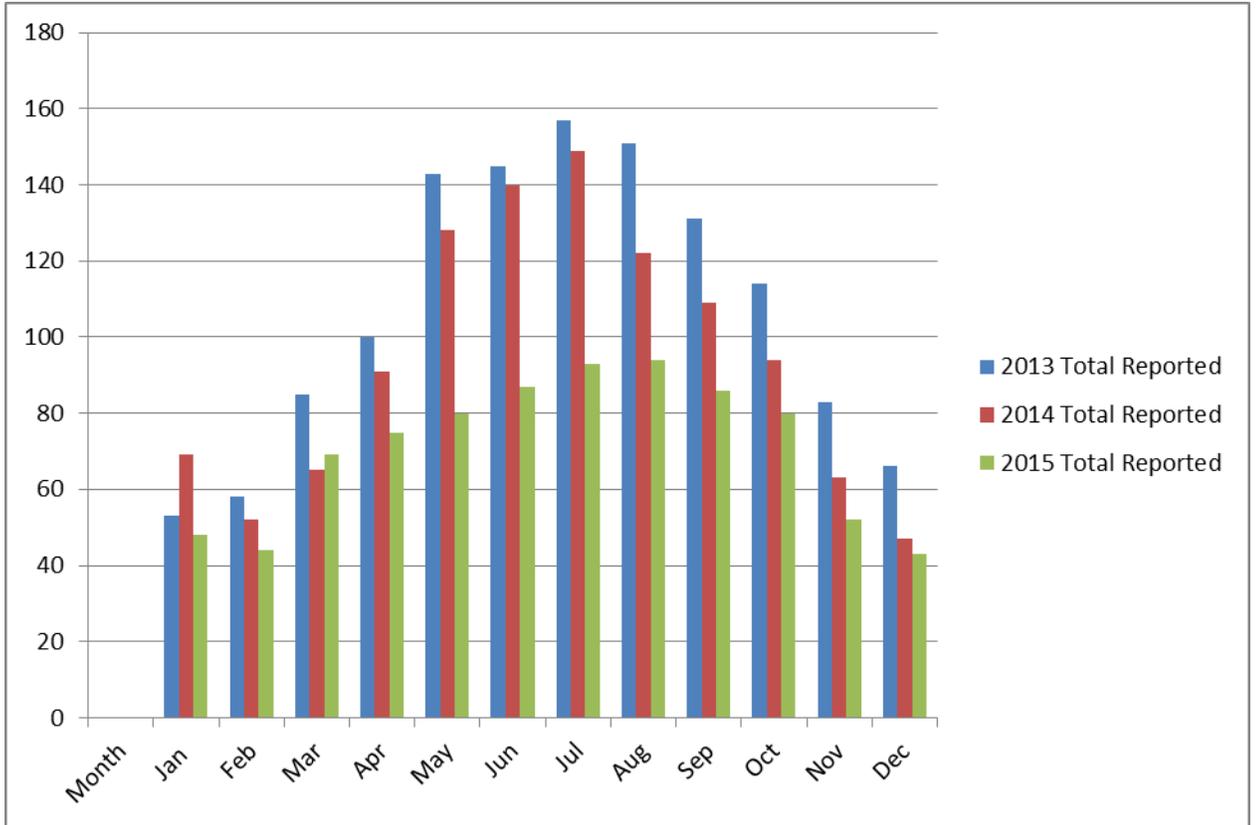
WATER SERVICES

# of Active Wells	Water Produced (MG)	Chemical (Hypo) Delivered	Fire Hydrant Flushing
5	43	1860	0

Note: Well 5 is off line, Replaced by Well #7

2015 Water Production Table (MG) by Month

January	February	March	April	May	June
48	44	70	75	80	87
July	August	September	October	November	December
93	94	86	80	52	43



Reused Water:

1.3 MG – July 1.9 MG – August 5.4 MG- September
1.2 MG- October 1.7 MG - November 1.3 MG -December

Bacteriological Test Results:

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	Brown Water Calls
20	0	0	0

WASTEWATER SERVICE

Wastewater Laboratory Analysis

<i>WW Effluent Parameter</i>	<i>Permit Limits</i>	<i>November Lab Data</i>	<i>December Lab Data</i>
Flow, MG Effluent, monthly total		32	34
Flow, MG Daily Influent Flow, avg.	N/A	1.3	1.3
Flow, MG Daily Discharge Flow, avg.	2.1	1.1	1.1
Effluent BOD ₅ , lbs/d, monthly avg.	350	35	60
Effluent TSS, lbs/d, monthly avg.	525	42	93
Effluent BOD ₅ , mg/L, monthly avg.	20	3	7
Effluent TSS, mg/L, monthly avg.	30	4	11
Total Coli form 7 day Median Max	23	0	122
Total Coli form Daily Maximum	240	0	920
% Removal BOD ₅ , monthly avg.	85% min.	99	98
% Removal, TSS, monthly avg.	85% min.	94	92
Electrical Conductivity, umhos/cm annual avg.	2100	2158	2057

Blue – new parameter added

National Pollution Discharge Elimination System (NPDES)

NPDES Related Excursions	Permit Parameter	NPDES Parameter Limit	Actual Parameter Result
3	7-day Median	23	65/122/120

Bacteriological Test Results:

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	7-Day Median Excursion
14	3	0	3

# of Active Lift Stations	# of Inactive Lift Stations	SSO	Wastewater Received (MG)
15	0	0	39.2

COLLECTION:

- Flushing schedule to resume in the fall.
- CCTV completed
- Inspected 0 manhole & covers. 0 YTD
- Performed weekly lift station inspections.

MAINTENANCE:

Preventive and Corrective

Total # of WO's Completed	Total Hours
265	431

Work Order Back-Log

Aging 8 - 30 Days	Aging > 30 Days
24	9

Call & Emergency Responses

Call Outs	Emergencies
10	0

Personnel Hours & Overtime:

Regular Hours	Overtime
1408	49

TERMS

WWTP	WASTEWATER TREATMENT PLANT
WTP	WATER TREATMENT PLANT
WL	WILLOW LAKE
NP	NEWPORT
VFD	VARIABLE FREQUENCY DRIVE
WO	WORK ORDER
PLC	PROGRAMMABLE LOGIC CONTROLLER
L/S	LIFT STATION
SSO	SANITARY SEWER OVERFLOW
BOD	BIOLOGICAL OXYGEN DEMAND
TSS	TOTAL SUSPENDED SOLIDS
MGD	MILLION GALLONS PER DAY
mg/l	MILLIGRAMS PER LITRE
CCTV	CLOSED CIRCUIT TELEVISION
PPM	PARTS PER MILLION
RAS	RETURN ACTIVATED SLUDGE
WAS	WATSE ACTIVATED SLUDGE
UV	ULTRAVIOLET LIGHT